

**COMPUTING DEVICE HAVING A LOW POWER SECONDARY
PROCESSOR COUPLED TO A KEYBOARD CONTROLLER**

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ABSTRACT OF THE DISCLOSURE

This abstract has been included pursuant to Section 1.72(b) of the Rules for Patent and Trademark Cases, Title 37 of the Code of Federal Regulations. This abstract is intended only to enable the Patent and Trademark Office and the public to generally determine the nature of the technical disclosure. This abstract is not intended to aid in the interpretation of the scope of any claim.

A portable computing device includes a keyboard controller that receives keystroke information as well as inputs from a graphical pointing device and conveys these to a main central processing unit. The keyboard controller additionally communicates with a battery module through a second interface in order to monitor and control the charging of the module. A low power secondary processor is interfaced to the keyboard controller through the second interface in order to receive keystroke information as well as information from the graphical pointing device. When the keyboard controller is instructed to do so, keystroke and graphical pointing information are conveyed exclusively to the secondary processor, thereby enabling the portable computing device to perform some functions without requiring the main central processing unit to be operational and thus operate in a low power mode.